USE FIGURED DIMENSIONS ONLY

ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE. ANY ERRORS OR DISCREPANCIES TO BE REPORTED TO THE ENGINEER IN CHARGE.

## NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.

| Surface Water Legend | |
|---|---|
| | Existing Surface Water Layout |
| | Proposed 100 mm ø storm pipe @ 1:80 unless noted otherwise |
| | Proposed Surface Water Manhole |
| IC | Surface Water Inspection Chamber |
| WB | Water Butts shown thus |

| Finishes Legend: | |
|---|---|
| | Grass |
| | Permeable Paving |
| | Gravel Path |
| | Concrete Path(Impermeable) |
| | Stone Mastic Asphalt (Impermeable) |
| | Existing F.G.L. – (to be retained) |
| +136.26 | Proposed F.G.L. |

**Drainage Design Information:**

| Site Surface | Area | Surface Run-off Coeff | Surface Area Contributing to the Run-off |
|---|---|---|---|
| Total Roof Area: | 948.00 m² | 1.0 | 948.00 m² |
| Total Impermeable Paving: | 63.30 m² | 0.9 | 56.97 m² |
| Total Permeable Paving: (including Gravel Paths) | 1,906.33 m² | 0.5 | 953.165 m² |
| Total Landscaped / Grassed area: | 2,923.37 m² | 0.1 | 292.337 m² |
| Totals: | 5,841.0 m² | | 2250.47 m² |

**Allowable Discharge:**

| | | |
|---|---|---|
| Site SAAR: | 739 mm | |
| Site Soil Index: | 3 | |
| $Q_{bar}$ for 50 ha Site: | 153.04 l/s | |
| $Q_{bar}$ for .5841 ha Site: | 1.80 l/s | |
| Allowable Discharge: | 100 Year Return Rainfall Event: | 2.00 l/s |

**Attenuation Tank Information:** (Refer Appendix of Associated Report for Preliminary Details)

| | |
|---|---|
| Max Storage Volume Required for 100 yr Return Event: | 167.00 m³ |
| Climate Change Allowance in Volume Calculation: | 20% |
| Tank Volume to be Provided: | 187.00 m³ |
| Nature of Attenuation Tank: Stormtech Arched Attenuation System | |
| As a Soakaway Test to Record Infiltration Capacity on the Site by Site Investigation Ltd Found That the Soil on the Site was Unsuitable for Infiltration of Rain Water Run-off. | |

ELDER HEATH AVE

ELDER HEATH WOODS

ExSMH S10 cl:132.65 il:

ExSMH S6 cl:132.65 il:

ELDER HE GLA

OUTFALL PIPE TO ADJACENT PUBLIC STORM WATER SEWER

225mmø @ T.B.C.

OUTFALL MANHOLE SMH 09 il:133.50

SMH 08 il:133.60

225mmø @ 1:100

SMH 07 il:133.90

SMH 06 HYDROBRAKE MANHOLE il:133.75–SUMP il:134.00–HYDROBRAKE/OUT FLOW PIPE i.l:134.10–INFLOW PIPE

NEIGHBOURING DWELLING

BLOCK A

F.F.L: 135.50 IC il:134.80

F.F.L: 135.50 IC il:134.80

F.F.L: 135.50 IC il:134.80

F.F.L: 135.50 IC il:134.80

F.F.L: 135.65 IC il:135.05

BLOCK B

F.F.L: 136.10

IC il:135.50

IC il:135.95 F.F.L: 136.55

IC il:136.40 F.F.L: 137.00

SMH 01 il:134.70

SMH 05 il:134.53

SMH 04 il:134.80–PIPES il:134.30–SUMP

SMH 03 il:134.95

SMH 02 il:134.90

SMH 01 il:136.30

150mmø @1:100

OUTLINE OF ATTENUATION TANK FORMED WITH M3500 STORMTECH CHAMBER ARCHES. TOTAL VOLUME 186m³ REFER APPENDIX OF ASSOCIATE REPORT FOR PRELIMINARY DETAILS OF TANK INVERT LEVEL = 134.1

SWALE WITH INFILTRATION TRENCH PIT UNDER

PERMEABLE PAVING UNDER PARKING SPACES TANKED AND RUN-OFF COLLECTED AND DIRECTED THROUGH PETROL INTERCEPTOR.

PETROL INTERCEPTOR

150mmø PERFORATED LAND DRAIN WRAPPED IN GEOTEXTILE

150mmø PERFORATED LAND DRAIN WRAPPED IN GEOTEXTILE

BIN STORE

NEW SITE ENTRANCE / EXIT

EXISTING SITE ENTRANCE TO BE CLOSED

EXISTING DWELLING

Flat Roof

WALL REMAINS

Garage

Fence

Wall

Low Railing

Ramp

Edge of Road

Center Line of Road

Gate

Pillar

Vegetation Line

Planter

KILTIPPER ROAD

VELLING

N

| Rev. | Date | Description | By | Check |
|---|---|---|---|---|
| PL4 | 13/05/22 | REVISED AND ISSUED FOR PLANNING (AI) | C.W. | N.I. |
| PL3 | 23/02/22 | ISSUED FOR PLANNING | C.W. | N.I. |
| PL2 | 21/10/21 | ISSUED FOR PLANNING | C.W. | N.I. |
| PL1 | 15/10/21 | ISSUED FOR INFORMATION | C.W. | N.I. |

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PLANNING

| | |
|---|---|
| Project Name: | KILTIPPER ROAD |
| Drawing Title: | PROPOSED STORM SEWER LAYOUT |
| Architect: | FITZGERALD KAVANAGH |
| Client: | PMVT |
| Drawn: LOB | |
| Checked: NI | |
| Approved: NI | |
| Scale: 1:200 @ A1 | |

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| Project No: | Originator: | Volume: | Level: | Type: | Role: | Number: | Rev: |
|---|---|---|---|---|---|---|---|
| 5565 | MCE | XX | XX | DR | C | 0002 | PL4 |